

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
STEPHEN E. Frazier )  
Serial No. To Be Assigned )  
Filing Date: Date herewith ) Examiner: Ivars C. Cintins  
For: DEVICE AND ASSOCIATED ) Art Unit: 1724  
METHODS FOR REMOVAL OF )  
CHLORINE FROM WATER )

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PRELIMINARY AMENDMENT

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Sir:

In the above referenced divisional patent application,  
please enter the following preliminary amendment.

In the Abstract:

Please cancel the abstract in its entirety and substitute  
the abstract set forth below.

A process of making enhanced activated  
carbon having an increased capacity for  
adsorbing chlorine in potable water comprises  
contacting activated carbon with an aqueous  
solution of up to about 10% by weight of an  
enhancing compound selected from the group  
consisting of potassium iodide, ammonium

In re Patent Application of  
**Stephen E. Frazier**  
Serial No. To Be Assigned  
Filed          Date Herewith  
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carbonate and ammonium sulfate, and drying the activated carbon. A chlorine removal device for removing chlorine from potable water includes a predetermined quantity of the enhanced activated carbon produced by the process and a water permeable holder containing the predetermined quantity of enhanced activated carbon.

**In the Claims:**

Please cancel without prejudice Claims 1 through 63, and enter the new claims set forth below.

1. A process of making enhanced activated carbon having an increased capacity for adsorbing chlorine in potable water, comprising:

a) contacting activated carbon with an aqueous solution of up to about 10% by weight of an enhancing compound selected from the group consisting of potassium iodide, ammonium carbonate and ammonium sulfate; and

b) drying the activated carbon.

2. The process of Claim 1, wherein contacting is for a time sufficient to saturate the activated carbon with the enhancing compound.

In re Patent Application of  
**Stephen E. Frazier**  
Serial No. To Be Assigned  
Filed          Date Herewith  
\_\_\_\_\_ /

3.            The process of Claim 1, wherein drying is accomplished by heating without reaching ignition temperature.

4.            A chlorine removal device for removing chlorine from potable water, said device comprising:

              a)    a predetermined quantity of the enhanced activated carbon produced by the process of Claim 1; and

              b)    a water permeable holder containing said predetermined quantity of enhanced activated carbon.

5.            The chlorine removal device of Claim 4 further comprising a member effective for a user to manually handle the device.

6.            The chlorine removal device of Claim 5, wherein said member comprises a string.

7.            The chlorine removal device of Claim 5, wherein said member comprises a handle.

8.            The chlorine removal device of Claim 1, wherein said water permeable holder comprises paper.

9.            The chlorine removal device of Claim 1, wherein said water permeable holder comprises a plastic material.

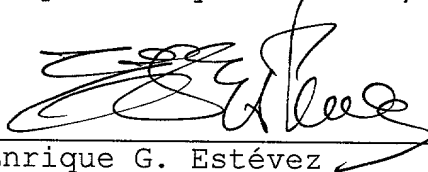
10.           The chlorine removal device of Claim 1 in combination with an automatic beverage maker having a water reservoir, wherein

In re Patent Application of  
**Stephen E. Frazier**  
Serial No. To Be Assigned  
Filed          Date Herewith  
\_\_\_\_\_ /

the chlorine removal device is positioned within the water reservoir so as to contact water therein for a time sufficient to remove chlorine from the water.

11.          The chlorine removal device of Claim 1, wherein the automatic beverage maker comprises a coffee maker.

Respectfully submitted,



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**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that this correspondence is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee: service under 37 CFR 1.10, Receipt No. .

**EL768537729US**

on the date indicated below and is addressed to BOX PATENT APPLICATIONS-DIV, Assistant Commissioner for Patents, Washington, D.C. 20231 on this 6<sup>th</sup> day of August, 2001.



Ann Fortenberry